

Clean Copy of Amended Claim

Sub E1
1 (twice amended). A method for the determination of tetracycline in a sample characterized in that

- the sample is brought into contact with recombinant prokaryotic cells encompassing a DNA vector including a nucleotide sequence encoding a light producing enzyme under transcriptional control of a tetracycline repressor and a tetracycline promoter,
- detecting the luminescence emitted from the intact cells, and
- comparing the emitted luminescence to the luminescence emitted from cells in a control containing no tetracycline
- wherein a detectable luminescence higher than a luminescence of the control indicates the presence of tetracycline in the sample.